

Table 27.—Cattle slaughter concentration: 4, 8, 20, and 50 largest firms, 1988-99

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1988	27	19.9	56.6	43	23.1	65.9	58	26.6	75.9	98	30.2	86.2	461	393	33.8	96.3	1,055	35.1
1989	25	19.3	57.0	37	22.4	66.0	57	25.9	76.4	89	29.5	86.9	400	356	32.2	94.9	1,055	34.0
1990	26	19.5	58.6	37	22.5	67.8	54	26.3	79.0	90	29.7	89.5	387	344	31.9	95.9	1,118	33.2
1991	29	19.8	60.6	36	22.5	68.8	52	25.9	79.3	86	29.4	89.9	365	321	31.4	96.2	1,204	32.7
1992	27	20.9	63.5	39	23.4	71.1	52	26.6	80.8	84	29.6	89.9	339	293	31.2	94.9	1,336	32.9
1993	29	22.0	66.0	38	24.4	73.3	53	27.7	83.1	88	30.5	91.5	316	267	31.7	95.0	1,393	33.3
1994	30	23.2	67.8	39	25.4	74.3	55	28.6	83.6	88	31.3	91.5	289	239	32.4	94.8	1,460	34.2
1995	30	24.0	67.3	36	26.2	73.6	51	29.7	83.4	84	32.7	91.9	279	230	33.8	94.9	1,437	35.6
1996	32	24.8	67.7	39	27.2	74.4	54	31.2	85.4	90	34.6	94.6	274	222	35.7	97.7	1,437	36.6
1997	31	24.4	67.1	38	27.1	74.5	54	31.1	85.6	88	34.0	93.7	262	212	35.0	96.5	1,415	36.3
1998	31	24.6	69.2	38	27.1	76.3	55	30.7	86.5	89	33.2	93.5	221	175	33.8	95.4	1,464	35.5
Concentration based on federally inspected slaughter data ⁶																		
1991	29	20.0	61.2	35	22.7	69.7	50	26.0	79.6	83	29.4	89.9	1,032	1,010	31.9	97.5	1,233	32.7
1992	27	21.1	64.3	35	23.7	72.1	51	27.1	82.4	84	30.2	91.8	971	950	32.1	97.6	1,369	32.9
1993	28	22.2	66.8	37	24.8	74.4	52	28.1	84.4	84	31.0	93.1	934	909	32.6	97.8	1,418	33.3
1994	28	23.5	68.7	36	25.8	75.6	51	29.4	85.9	84	32.3	94.7	882	861	33.8	99.0	1,482	34.2
1995	31	24.6	69.0	37	26.9	75.4	52	30.4	85.4	84	33.4	93.7	836	812	34.9	97.9	1,505	35.6
1996	32	24.3	66.4	39	26.7	73.0	54	30.8	84.2	82	34.2	93.4	812	790	35.7	97.6	1,402	36.6
1997	31	24.6	67.6	38	27.2	74.9	54	31.2	85.9	82	34.2	94.1	822	799	35.6	97.9	1,420	36.3
1998	30	24.7	69.5	37	27.1	76.5	52	30.9	87.1	81	33.7	95.0	795	769	34.8	98.1	1,475	35.5
1999	28	25.4	70.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	759	NA	35.5	98.2	NA	36.1

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of cattle during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, *Livestock Slaughter, Annual Summary*, National Agricultural Statistics Service, MTAN 1-2-1; and F.I. slaughter data from NASS. (GIPSA-SR-00-1)

Table 28.—Steer and heifer slaughter concentration: 4, 8, 20, and 50 largest firms, 1988-99

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1988	27	19.6	69.7	39	22.4	79.7	57	24.0	88.6	97	26.5	94.4	374	321	27.2	96.7	1,589	28.1
1989	25	19.0	70.4	37	21.7	80.6	52	24.1	89.4	84	25.4	94.4	319	282	25.9	96.1	1,602	26.9
1990	26	19.1	71.6	36	21.9	82.1	52	24.4	91.5	84	25.5	95.4	310	275	25.8	96.6	1,661	26.7
1991	29	19.4	73.5	35	21.9	82.7	47	24.2	91.3	79	25.1	94.9	288	254	25.4	95.9	1,766	26.5
1992	26	20.5	77.8	34	22.6	85.9	46	24.4	92.7	82	25.1	95.2	265	230	25.3	95.9	2,005	26.4
1993	28	21.2	79.8	35	23.3	87.6	47	24.9	93.8	82	25.4	95.6	256	217	25.6	96.1	2,052	26.6
1994	25	22.3	80.9	32	24.2	87.5	44	25.6	92.5	78	26.0	94.1	229	195	26.1	94.6	2,096	27.6
1995	27	22.8	79.3	32	24.7	86.1	44	26.6	92.9	81	27.2	95.0	216	182	27.3	95.4	1,982	28.7
1996	28	23.0	80.4	34	25.1	87.8	46	27.5	96.1	84	28.2	98.7	211	174	28.3	99.2	1,987	28.6
1997	27	22.8	78.4	33	25.1	86.3	46	27.2	93.4	80	27.7	95.4	199	163	27.8	95.7	1,899	29.1
1998	25	23.1	80.0	32	25.3	87.5	45	26.9	93.0	77	27.3	94.6	168	137	27.4	94.9	1,921	28.9
Concentration based on federally inspected slaughterer data ⁶																		
1991	29	19.7	74.5	34	22.2	83.9	46	24.4	92.1	77	25.4	95.9	988	970	25.8	97.5	1,811	26.5
1992	27	20.5	77.8	35	22.8	86.7	48	24.8	94.0	76	25.4	96.3	937	919	25.7	97.6	2,016	26.4
1993	27	21.4	80.7	34	23.6	88.6	46	25.2	94.9	73	25.7	96.7	894	877	26.0	97.8	2,082	26.6
1994	27	22.5	81.7	33	24.5	88.6	45	26.3	95.1	73	26.7	96.9	848	828	27.0	97.9	2,100	27.6
1995	28	23.2	80.8	33	25.2	87.7	45	27.1	94.7	71	27.8	97.0	801	783	28.1	97.9	2,036	28.7
1996	28	22.5	78.8	34	24.6	86.1	45	26.9	94.0	72	27.6	96.7	780	765	27.9	97.6	1,935	28.6
1997	27	23.1	79.5	33	25.5	87.8	45	27.6	95.0	70	28.2	97.1	787	772	28.8	97.9	1,927	29.1
1998	25	23.2	80.4	31	25.4	88.1	43	27.5	95.1	70	28.1	97.3	758	743	28.3	98.1	1,936	28.9
1999	24	24.2	81.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.3	98.2	NA	29.8

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of fed and non-fed steers and heifers during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, *Livestock Slaughter, Annual Summary*, National Agricultural Statistics Service, MTAN 1-2-1; and F.I. slaughter data from NASS.

(GIPSA-SR-00-1)

Table 29.—Cow and bull slaughter concentration: 4, 8, 20, and 50 largest firms, 1988-99

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1988	13	1.3	18.4	20	2.1	30.3	35	3.6	51.6	68	5.3	76.0	379	345	6.6	94.8	198	7.0
1989	14	1.2	17.5	19	2.1	30.3	32	3.7	53.0	67	5.3	75.4	340	319	6.3	90.6	188	7.0
1990	9	1.3	20.4	17	2.2	33.2	29	3.8	57.6	64	5.3	81.4	324	307	6.1	93.4	223	6.6
1991	10	1.3	21.1	16	2.1	32.9	30	3.7	59.4	63	5.3	85.3	299	282	6.1	97.3	236	6.2
1992	11	1.4	22.0	17	2.3	35.8	30	3.9	60.0	62	5.3	81.7	274	256	5.9	90.9	243	6.5
1993	11	1.6	24.0	17	2.6	38.4	30	4.3	63.4	65	5.7	84.8	250	229	6.1	90.6	276	6.7
1994	13	1.7	26.3	20	2.7	41.1	34	4.5	67.8	67	5.9	90.0	229	205	6.3	95.5	320	6.6
1995	11	1.6	23.4	18	2.7	38.5	32	4.7	67.6	64	6.1	88.2	219	198	6.5	93.1	293	7.0
1996	15	2.2	28.0	22	3.4	42.4	35	5.6	70.5	66	7.1	88.2	212	188	7.4	92.5	362	8.0
1997	14	2.2	30.6	21	3.4	47.5	35	5.5	75.3	66	6.9	95.2	196	175	7.2	99.6	413	7.3
1998	14	2.2	32.7	18	3.3	49.9	35	5.2	79.1	67	6.2	94.8	166	147	6.4	97.7	454	6.6
Concentration based on federally inspected slaughterer data ⁶																		
1991	10	1.2	19.5	17	1.9	30.9	31	3.5	56.9	62	5.2	83.1	926	917	6.1	97.6	220	6.2
1992	12	1.5	23.6	16	2.4	37.3	32	4.1	62.8	62	5.6	86.2	877	866	6.3	97.6	271	6.5
1993	11	1.7	24.7	16	2.6	39.0	31	4.5	66.3	61	6.0	89.1	838	829	6.6	97.9	300	6.7
1994	12	1.6	24.8	16	2.6	39.4	31	4.4	67.5	62	6.0	90.4	799	790	6.4	97.9	306	6.6
1995	14	1.9	27.6	19	2.9	42.0	34	4.9	70.0	64	6.3	91.1	752	743	6.8	97.9	346	7.0
1996	15	2.4	29.4	20	3.5	44.2	35	5.8	72.0	65	7.3	91.1	732	723	7.8	97.6	387	8.0
1997	17	2.2	30.2	22	3.3	45.8	37	5.3	72.4	66	6.7	91.9	729	717	7.1	97.9	391	7.3
1998	18	2.2	32.9	22	3.3	50.0	38	5.1	77.9	67	6.2	93.4	687	671	6.5	98.1	455	6.6
1999	15	2.0	31.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.2	98.2	NA	6.3

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of cows and bulls during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and F.I. (GIPSA-SR-00-1) slaughter data from NASS.

Table 30.—Calf slaughter concentration: 4, 8, 20, and 50 largest firms, reporting slaughter packers, 1986-98 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
1986	27	0.9	26.5	37	1.3	38.0	58	2.0	59.0	107	2.7	77.9	260	201	2.8	81.9	289	3.4
1987	16	0.9	30.4	21	1.2	42.2	59	1.8	65.1	99	2.4	86.2	236	187	2.5	90.3	369	2.8
1988	10	0.8	32.6	15	1.1	45.7	49	1.8	70.4	90	2.3	91.3	224	182	2.4	94.9	408	2.5
1989	8	0.7	33.6	13	1.0	47.9	46	1.5	70.2	81	2.0	90.8	206	172	2.1	95.5	423	2.2
1990	7	0.6	31.1	12	0.8	47.2	41	1.3	71.5	73	1.6	90.6	194	169	1.7	93.8	416	1.8
1991	6	0.3	20.5	11	0.5	33.9	36	0.8	56.7	72	1.0	70.4	163	139	1.0	71.9	207	1.4
1992	6	0.3	25.1	10	0.6	40.1	33	0.9	65.4	74	1.1	79.8	168	139	1.1	81.3	296	1.4
1993	9	0.3	25.9	13	0.5	41.8	36	0.8	70.2	72	1.0	86.1	154	129	1.0	87.3	335	1.2
1994	7	0.3	24.3	16	0.5	40.2	41	0.8	65.9	78	1.0	76.2	137	108	1.0	76.9	300	1.3
1995	8	0.4	27.9	16	0.6	43.4	40	1.1	75.2	82	1.3	89.0	133	100	1.3	89.9	383	1.4
1996	4	0.3	19.1	11	0.6	33.5	41	1.1	63.6	86	1.4	77.8	133	97	1.4	78.4	237	1.8
1997	5	0.3	21.9	10	0.6	38.0	31	1.0	66.5	70	1.2	77.9	111	90	1.2	78.4	268	1.6
1998	5	0.3	23.6	9	0.6	41.8	26	1.0	71.2	56	1.2	79.5	83	77	1.2	79.6	312	1.5

¹ Conc. = concentration, the percentage of total commercial slaughter. Numerator values are for firms' reporting years.

² Share = percentage of total commercial slaughter. Numerator values are for firms' reporting years.

³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.

⁴ Comm. sltr. = total commercial slaughter of calves during the calendar year.

Source: Annual reports filed with GIPSA and U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1.

(GIPSA-SR-00-1)

Table 31.—Hog slaughter concentration: 4, 8, 20, and 50 largest firms, 1988-99

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1988	16	29.4	33.5	25	45.9	52.2	55	68.3	77.8	96	80.6	91.8	349	297	83.5	95.1	456	87.8
1989	15	30.1	34.0	23	46.5	52.4	48	69.4	78.3	89	80.2	90.4	319	277	83.2	93.8	470	88.7
1990	16	34.3	40.3	24	49.5	58.1	48	70.5	82.8	88	77.5	91.0	335	290	80.2	94.2	593	85.1
1991	15	36.9	41.9	23	53.5	60.7	42	74.4	84.4	83	80.6	91.4	307	267	83.1	94.3	649	88.2
1992	17	41.5	43.8	25	59.4	62.6	45	81.6	86.0	82	88.8	93.6	300	258	91.6	96.5	689	94.9
1993	16	40.5	43.5	30	60.5	65.0	45	80.1	86.1	80	86.8	93.3	273	234	89.1	95.8	704	93.1
1994	17	42.4	44.3	27	64.5	67.4	42	81.8	85.5	80	87.1	91.0	254	217	89.2	93.2	734	95.7
1995	17	43.8	45.5	27	66.8	69.4	42	84.1	87.3	81	89.5	92.9	245	209	91.6	95.1	754	96.3
1996	19	45.8	49.6	27	64.0	69.2	42	77.7	84.1	79	81.8	88.5	232	200	83.5	90.4	797	92.4
1997	19	49.9	54.3	28	69.6	75.7	43	82.4	89.6	80	86.1	93.7	218	184	87.8	95.5	969	92.0
1998	18	54.4	53.9	27	76.1	75.4	48	87.7	86.8	79	90.7	89.8	182	152	91.8	90.9	960	101.0
Concentration based on federally inspected slaughter data ⁶																		
1991	17	38.4	43.5	24	55.0	62.4	41	75.9	86.1	75	83.2	94.4	955	937	86.0	97.5	689	88.2
1992	17	42.2	44.4	24	59.7	62.9	41	82.1	86.5	75	89.6	94.4	921	908	92.6	97.6	702	94.9
1993	17	40.2	43.2	25	60.2	64.7	41	80.5	86.5	75	88.2	94.8	891	880	91.0	97.7	695	93.1
1994	16	42.6	44.5	25	65.2	68.2	40	84.4	88.2	72	90.8	94.9	830	821	93.4	97.6	743	95.7
1995	16	44.0	45.7	28	67.5	70.1	43	85.1	88.4	76	91.8	95.3	802	784	94.2	97.8	769	94.2
1996	19	51.1	55.3	25	67.4	72.9	38	82.7	89.5	74	88.2	95.4	770	754	90.5	98.1	961	92.4
1997	19	49.8	54.2	26	69.6	75.7	40	84.2	91.6	74	88.2	95.9	767	754	90.2	98.3	976	92.0
1998	18	56.8	56.3	25	78.9	78.1	40	92.5	93.6	75	97.1	96.3	755	744	99.3	98.3	1,036	101.0
1999	18	56.9	56.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	728	NA	99.7	98.2	NA	101.4

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of hogs during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and F.I. slaughter data from NASS.

(GIPSA-SR-00-1) (Revised 9/00)

Table 32.—Sheep and lamb slaughter concentration: 4, 8, 20, and 50 largest firms, 1988-99

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1988	9	4.0	76.5	13	4.6	86.7	25	4.8	90.3	55	4.8	91.1	132	127	4.8	91.3	2,083	5.3
1989	10	4.0	73.7	14	4.8	87.1	27	5.1	92.5	57	5.1	93.4	132	124	5.1	93.5	1,634	5.5
1990	10	4.0	70.2	14	4.4	77.5	26	4.6	80.8	58	4.6	81.6	138	130	4.6	81.8	1,580	5.7
1991	9	4.4	77.0	14	5.1	88.4	26	5.3	92.6	56	5.3	93.4	119	113	5.4	93.5	1,929	5.7
1992	8	4.3	78.0	13	4.9	89.9	26	5.2	94.1	57	5.2	95.1	120	112	5.2	95.2	1,991	5.5
1993	7	3.9	75.1	11	4.5	87.1	26	4.8	91.8	57	4.8	92.9	116	107	4.8	93.0	1,768	5.2
1994	6	3.7	75.5	10	4.2	85.5	23	4.5	90.6	55	4.6	92.2	110	105	4.6	92.3	1,880	4.9
1995	6	3.6	77.9	10	4.1	89.7	22	4.3	94.0	53	4.4	95.6	98	94	4.4	95.6	1,917	4.6
1996	5	3.1	73.1	9	3.4	81.3	21	3.7	87.8	53	3.7	89.3	95	92	3.7	89.4	1,654	4.2
1997	4	2.4	62.4	8	2.9	73.3	20	3.1	79.0	51	3.2	80.6	82	81	3.2	80.6	1,291	3.9
1998	5	2.5	66.8	9	3.1	80.3	21	3.2	85.4	51	3.3	86.5	70	69	3.3	86.5	1,415	3.8
Concentration based on federally inspected slaughter data ⁶																		
1991	9	4.1	72.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	783	NA	5.5	96.2	NA	5.7
1992	8	3.9	71.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	748	NA	5.3	96.2	NA	5.5
1993	7	3.8	72.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	711	NA	5.0	96.5	NA	5.2
1994	6	3.6	72.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	652	NA	4.8	96.3	NA	4.9
1995	6	3.3	71.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	617	NA	4.4	96.2	NA	4.6
1996	5	3.0	72.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	593	NA	4.1	97.1	NA	4.2
1997	5	2.5	64.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	572	NA	3.8	97.7	NA	3.9
1998	5	2.6	68.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	556	NA	3.7	96.5	NA	3.8
1999	5	2.5	67.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	96.1	NA	3.7

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of sheep and lambs during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and F.I. slaughter data from NASS.

(GIPSA-SR-00-1) (Revised 9/00)

Table 33.—Boxed fed beef production concentration: 4, 8, 20, and 50 largest firms, reporting slaughter packers, 1982-98 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Total beef ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
1982	13	9.6	59.1	20	12.0	73.7	37	14.3	87.7	69	14.8	90.6	87	68	14.8	90.8	1,323	16.3
1983	14	11.2	60.2	19	13.7	73.6	34	16.3	87.6	65	16.8	90.7	86	71	16.9	90.8	1,382	18.6
1984	17	12.1	61.7	23	14.9	75.7	38	17.8	90.6	71	18.5	93.9	94	73	18.5	94.2	1,439	19.6
1985	15	12.8	61.5	24	16.4	78.7	39	19.4	93.2	72	20.1	96.2	90	68	20.1	96.3	1,527	20.9
1986	16	14.7	67.4	22	18.6	85.2	35	20.7	95.0	67	21.1	96.8	82	65	21.1	96.8	1,691	21.8
1987	23	18.0	79.5	28	20.0	88.6	41	21.5	95.4	72	21.9	97.0	97	74	21.9	97.1	1,981	22.6
1988	21	18.5	79.3	28	20.6	88.7	41	22.1	95.1	71	22.5	96.6	98	77	22.5	96.7	2,030	23.3
1989	20	18.1	79.2	27	20.2	88.2	41	21.7	94.7	71	22.0	96.1	91	70	22.0	96.2	1,979	22.9
1990	24	18.3	79.3	28	20.5	88.7	41	22.1	95.8	71	22.3	96.8	81	60	22.3	96.8	1,988	23.1
1991	22	18.5	78.7	26	20.4	87.1	38	22.4	95.3	69	22.8	97.2	90	70	22.8	97.3	1,958	23.5
1992	22	19.4	81.4	26	21.5	90.0	38	23.0	96.4	69	23.2	97.2	69	50	23.2	97.2	2,163	23.8
1993	20	19.8	82.7	25	21.8	90.7	37	23.0	96.0	NA	NA	NA	62	45	23.1	96.4	2,236	24.0
1994	21	21.3	85.7	26	23.0	92.5	38	24.1	97.1	NA	NA	NA	57	39	24.2	97.5	2,340	24.8
1995	21	22.1	84.3	25	23.8	90.9	37	25.4	96.7	NA	NA	NA	55	38	25.4	97.0	2,208	26.2
1996	21	22.4	82.3	26	24.6	90.4	41	26.6	97.9	NA	NA	NA	63	42	26.8	98.4	2,061	27.2
1997	21	22.0	82.6	26	24.2	90.8	38	26.1	97.9	70	26.4	98.8	72	52	26.4	98.8	2,088	26.7
1998	21	22.4	85.0	26	24.4	92.7	38	25.8	98.3	NA	NA	NA	63	44	26.0	98.8	2,145	26.3

NA denotes data not applicable because there were fewer than 50 firms.

¹ Conc. = concentration, the percentage of total commercial slaughter. Numerator values are for firms' reporting years.² Share = percentage of total U.S. boxed beef production. Numerator values are for firms' reporting years.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total U.S. boxed beef production.⁴ Includes all U.S. production during the calendar year by slaughtering and nonslaughtering fabricators, but not retail stores.

(GIPSA-SR-00-1)

Table 34.—Livestock purchase concentration: 4, 8, 20, and 50 largest¹ firms, reporting slaughter packers, 1980-98 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Total U.S. purc. ⁶
	Plants	Purc. ²	Conc. ³	Plants	Purc. ²	Conc. ³	Plants	Purc. ²	Conc. ³	Plants	Purc. ²	Conc. ³	Plants	Firms	Purc. ²	Share ⁴	HHI ⁵	
	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	- - No. - -	Bil. dol.	Pct.	Index	Bil. dol.	
1980	47	8.3	25.5	74	13.0	40.0	110	17.2	53.0	163	21.2	65.3	984	810	30.1	92.6	285	32.5
1981	40	9.0	27.2	73	13.6	41.3	106	18.0	54.4	160	22.5	68.2	912	745	30.6	92.5	308	33.0
1982	38	9.4	28.3	69	14.0	42.1	102	18.7	56.4	154	23.4	70.3	898	717	31.2	93.8	322	33.2
1983	41	10.4	30.4	64	13.9	40.7	99	18.8	55.1	162	23.6	69.3	909	709	31.1	91.4	370	34.0
1984	40	11.3	33.5	61	14.8	43.8	106	20.3	59.9	181	24.9	73.5	882	674	31.7	93.6	447	33.8
1985	37	11.0	34.0	51	14.3	44.1	103	20.4	63.0	176	25.2	77.9	817	615	30.8	95.0	464	32.4
1986	35	11.8	37.0	49	15.1	47.6	95	20.7	65.1	156	25.1	78.8	751	555	30.1	94.7	523	31.8
1987	50	16.4	47.1	71	19.4	55.8	102	24.3	69.9	156	28.3	81.4	737	544	33.4	95.8	759	34.7
1988	47	17.7	49.1	71	21.0	58.1	98	25.5	70.6	150	29.6	81.8	720	537	34.7	96.0	825	36.1
1989	45	18.7	51.2	66	21.9	60.0	92	26.0	71.1	138	30.1	82.3	650	508	34.7	94.8	869	36.6
1990	46	20.5	53.1	65	24.0	62.0	92	28.4	73.5	131	32.8	84.7	629	497	36.8	95.2	942	38.7
1991	43	21.3	54.9	60	24.6	63.5	83	29.2	75.5	119	33.3	85.9	593	468	36.9	95.2	1,006	38.7
1992	46	22.7	58.3	56	25.7	65.9	83	30.0	77.0	121	34.0	87.2	573	437	37.1	95.3	1,136	39.0
1993	48	24.9	62.8	60	27.9	70.2	83	31.6	79.7	120	35.1	88.5	536	407	37.8	95.3	1,235	39.7
1994	51	25.1	63.2	62	28.2	70.8	85	32.1	80.6	121	34.9	87.8	507	373	37.3	93.9	1,235	39.8
1995	49	23.0	61.0	58	26.0	69.0	78	30.2	80.0	115	33.5	88.9	492	360	35.8	95.0	1,171	37.7
1996	49	22.9	62.2	62	26.3	71.4	77	30.0	81.3	122	33.1	89.8	481	348	35.2	95.5	1,214	36.8
1997	49	23.7	61.0	62	28.4	72.9	76	32.0	82.3	119	35.1	90.3	444	331	37.2	95.6	1,170	38.9
1998	48	22.4	63.1	61	26.4	74.4	80	29.5	83.2	123	31.9	89.8	373	280	33.4	94.0	1,206	35.5

¹ Based on total amount spent for all livestock slaughtered.

² Purc. = livestock purchases.

³ Conc. = concentration, the percentage of total commercial slaughter. Numerator values are for firms' reporting years.

⁴ Share = percentage of total U.S. livestock purchases. Numerator values are for firms' reporting years.

⁵ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total livestock purchases.

⁶ Total value of all livestock purchased for slaughter by reporting packers during their reporting years, plus the value of livestock slaughtered by nonreporting packers during the calendar year, based on reported average prices and weights.

Source: U.S. Department of Agriculture, Livestock Slaughter, National Agricultural Statistics Service, various issues; U.S. Department of Agriculture, Agricultural Prices, National Agricultural Statistics Service, various issues; and annual reports filed with GIPSA.

Table 35.—Sales, expenses, and operating income of 4, 8, 20, and 40 largest¹ meatpacking firms, 1998 reporting year

Item	Top 4	Top 8	Top 20	Top 40
<u>Percent of sales</u>				
Net sales	100.00	100.00	100.00	100.00
Cost of sales				
Livestock purchases	68.87	65.77	61.02	60.35
Total cost of sales	83.81	80.87	79.66	79.03
Gross income	16.19	19.13	20.34	20.97
Operating expenses:				
Manufacturing	8.32	9.33	8.84	8.75
Advertising & selling expenses	0.68	1.92	2.79	2.75
General & administrative	1.93	2.01	2.48	2.49
Depreciation & amortization	0.61	0.67	0.66	0.66
Interest	0.73	0.67	0.58	0.57
Other	2.49	2.69	2.62	3.40
Total operating expenses	14.76	17.30	17.97	18.60
Operating income (loss) ²	1.43	1.83	2.38	2.37

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

² Operating income (loss) equals gross income per dollar of sales minus total operating expenses per dollar of sales.

(GIPSA-SR-00-1)

Table 36.—Selected financial ratios for 4, 8, 20, and 40 largest¹ meatpacking firms, 1998 reporting year

Item	Top 4	Top 8	Top 20	Top 40
Net sales per \$ of assets	4.398	4.164	3.934	3.852
Net sales per \$ of equity	7.627	7.781	6.771	6.612
Gross income per \$ of sales	0.162	0.191	0.203	0.210
Gross income per \$ of assets	0.712	0.797	0.800	0.808
Gross income per \$ of equity	1.235	1.489	1.377	1.386
Total operating expenses per \$ of sales	0.148	0.173	0.180	0.186
Total operating expenses per \$ of assets	0.649	0.720	0.707	0.717
Total operating expenses per \$ of equity	1.126	1.346	1.217	1.230
Operating income per \$ of sales	0.014	0.018	0.024	0.024
Operating income per \$ of assets	0.063	0.076	0.093	0.091
Operating income per \$ of equity	0.109	0.143	0.161	0.156
Equity to asset ratio	0.577	0.535	0.581	0.583

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

(GIPSA-SR-00-1)

Table 37.—Gross income of 4, 8, 20, and 40 largest¹ meatpacking firms, 1992-98 reporting years

Year	Top 4	Top 8	Top 20	Top 40
<u>Percent of sales</u>				
1992	14.3	13.8	17.2	17.4
1993	12.5	14.8	16.2	16.2
1994	14.6	17.5	18.5	18.3
1995	17.5	19.8	20.9	20.7
1996	13.9	16.1	17.4	17.4
1997	14.8	17.2	18.2	18.0
1998	16.2	19.1	20.3	21.0

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

Table 38.—Total operating expenses of 4, 8, 20, and 40 largest¹ meatpacking firms, 1992-98 reporting years

Year	Top 4	Top 8	Top 20	Top 40
<u>Percent of sales</u>				
1992	13.7	13.3	16.0	16.2
1993	11.9	13.9	14.9	15.0
1994	12.5	14.6	15.5	15.4
1995	14.2	16.4	17.0	17.1
1996	12.0	14.1	15.2	15.3
1997	13.8	15.5	16.1	16.0
1998	14.8	17.3	18.0	18.6

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

Table 39.—Operating income of 4, 8, 20, and 40 largest¹ meatpacking firms, 1992-98 reporting years

Year	Top 4	Top 8	Top 20	Top 40
<u>Percent of sales</u>				
1992	0.54	0.52	1.27	1.23
1993	0.68	0.94	1.29	1.21
1994	2.11	2.87	3.01	2.89
1995	3.33	3.43	3.83	3.69
1996	1.90	2.02	2.22	2.11
1997	1.10	1.80	2.10	2.10
1998	1.43	1.83	2.38	2.37

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

(GIPSA-SR-00-1)

PART II. LIVESTOCK MARKETING

Table 40.—Reported volume and value of marketings of slaughter and nonslaughter classes of livestock through firms selling on commission,¹
by region and State, 1998 reporting year

State and region ²	Cattle and calves	Hogs and pigs	Sheep and lambs	Value of livestock
	<u>Thous. head</u>			<u>Thous. dol.</u>
New England ³	88	1	2	3,545
New Jersey	26	2	30	82,544
New York	320	9	8	209,067
Pennsylvania	589	180	209	43,515
North Atlantic	935	191	247	335,126
Illinois	588	2,647	61	474,059
Indiana	215	253	110	134,270
Michigan	334	28	36	164,126
Ohio	417	201	184	224,891
Wisconsin	1,053	80	417	380,544
East North Central	2,607	3,209	808	1,377,890
Iowa	1,734	1,265	142	966,531
Kansas	2,566	125	36	1,156,420
Minnesota	984	906	75	588,907
Missouri	2,450	931	59	1,112,309
Nebraska	2,346	1,196	67	1,200,349
North Dakota	735	19	40	374,193
South Dakota	2,568	1,491	475	1,507,213
West North Central	13,383	5,933	894	6,905,922
Delaware and Maryland	97	24	16	29,764
Florida	463	56	7	135,049
Georgia	579	72	21	189,596
North Carolina	425	625	54	180,942
South Carolina	120	52	8	318,637
Virginia	738	18	71	9,183
West Virginia	136	4	15	9,183
South Atlantic	2,558	851	192	872,354

Continued—

Table 40.—Reported volume and value of marketings of slaughter and Nonslaughter classes of livestock through firms selling on commission,¹
by region and State, 1998 reporting year—continued

State and region ²	Cattle and calves	Hogs and pigs	Sheep and lambs	Value of livestock
	Thous. head			Thous. dol.
Alabama	739	15	25	190,165
Arkansas	626	18	14	236,555
Kentucky	1,051	76	25	384,298
Louisiana	281	28	6	85,699
Mississippi	374	18	16	120,266
Tennessee	903	38	115	288,185
South Central	3,974	193	201	1,305,168
Oklahoma	2,420	42	40	971,100
Texas	7,466	148	1,247	2,615,727
Southern Plains	9,886	190	1,287	3,586,827
Arizona	130	3	6	47,265
Colorado	690	23	125	323,275
Idaho	345	17	120	158,386
Montana	716	235	160	317,298
Nevada	48	1	4	17,942
New Mexico	421	1	19	161,563
Utah	325	90	5	158,001
Wyoming	484	0	52	224,686
Mountain	3,159	370	491	1,408,416
California	1,489	88	174	543,916
Oregon	154	4	13	67,732
Washington	244	14	23	104,326
Pacific	1,887	106	210	715,974
48 State Total	38,389	11,043	4,330	16,507,677

¹ Includes all auctions, terminals, video auctions, and country commission firms. A country commission firm is a marketing agency selling on commission that does not operate an auction or terminal.

² Location of public markets. Livestock sold through a market in one State or region may move to other States or regions for further feeding, breeding, or slaughter.

³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

(GIPSA-SR-00-1)

Table 41.—Slaughter and nonslaughter livestock purchases, by reporting dealers and order buyers,¹ by region and State, 1998 reporting year

State and region ²	Value of livestock			Volume of purchases		
	Bought on commission	Bought for own account	Total	Cattle and calves	Hogs and pigs	Sheep and lambs
	<u>Thousand dollars</u>			<u>Thousand head</u>		
New England ³	4,047	36,261	40,308	160	15	5
New Jersey	10,480	1,210	11,690	2	241	9
New York	7,683	60,131	67,814	428	8	12
Pennsylvania	36,656	132,718	169,374	1,370	213	129
North Atlantic	54,819	194,059	248,878	1,800	462	150
Illinois	256,409	459,291	715,700	703	3,265	52
Indiana	29,722	153,608	183,330	240	1,149	23
Michigan	24,879	205,298	230,177	239	719	49
Ohio	34,945	417,355	452,300	655	1,624	75
Wisconsin	55,502	265,943	321,445	923	426	24
East North Central	401,457	1,501,495	1,902,952	2,760	7,183	223
Iowa	1,807,415	772,996	2,580,411	1,373	3,344	254
Kansas	199,652	605,413	805,065	1,666	172	45
Minnesota	316,234	557,378	873,612	1,385	1,472	183
Missouri	128,947	612,997	741,944	1,446	1,477	17
Nebraska	223,206	585,430	808,636	1,698	1,646	36
North Dakota	140,945	165,994	306,939	804	42	32
South Dakota	321,315	530,314	851,629	1,343	1,785	198
West North Central	3,137,714	3,830,522	6,968,236	9,715	9,938	765
Delaware and Maryland	598	21,741	22,339	63	61	7
Florida	32,874	41,057	73,931	276	1	1
Georgia	23,936	89,922	113,858	364	31	1
North Carolina	15,547	60,659	76,206	129	599	15
South Carolina	20,633	16,359	36,992	109	76	1
Virginia	17,517	148,321	165,838	439	7	7
West Virginia	2,490	50,372	52,862	133	3	70
South Atlantic	113,595	428,431	542,026	1,513	778	102

Continued—

Table 41.—Slaughter and nonslaughter livestock purchases, by reporting dealers and order buyers,¹ by region and State, 1998 reporting year—continued

State and region ²	Value of livestock			Volume of purchases		
	Bought on commission	Bought for own account	Total	Cattle and calves	Hogs and pigs	Sheep and lambs
	- - - - - Thousand dollars - - - - -			- - - - - Thousand head - - - - -		
Alabama	33,141	111,780	144,921	462	51	8
Arkansas	11,223	106,321	117,544	308	2	1
Kentucky	49,512	1,208,801	1,258,313	2,959	670	4
Louisiana	16,818	19,412	36,230	110	2	1
Mississippi	37,605	183,783	221,388	634	1	1
Tennessee	59,943	298,626	358,569	789	30	30
South Central	208,242	1,928,723	2,136,965	5,262	756	45
Oklahoma	231,483	438,457	669,940	1,459	128	0
Texas	352,070	1,095,149	1,447,219	3,692	396	579
Southern Plains	583,553	1,553,606	2,117,159	5,151	524	579
Arizona	3,727	55,362	59,089	144	0	38
Colorado	90,451	167,601	258,052	514	26	77
Idaho	44,232	174,228	218,460	815	0	112
Montana	94,948	332,666	427,614	884	10	100
Nevada	8,984	18,022	27,006	67	0	0
New Mexico	13,286	30,698	43,984	106	0	16
Utah	84,957	72,822	157,779	330	5	86
Wyoming	29,939	134,183	164,122	339	0	80
Mountain	370,524	985,582	1,356,106	3,199	41	509
California	70,677	273,044	343,721	910	46	105
Oregon	13,733	55,492	69,225	156	0	209
Washington	15,991	25,757	41,748	117	2	10
Pacific	100,401	354,293	454,694	1,183	48	324
48 State Total	4,970,305	10,756,711	15,727,016	30,583	19,730	2,697

¹ Dealers purchase livestock for resale on their own accounts. Order buyers purchase on a commission basis for others.

² Location of business addresses of dealers and order buyers. Total volume is allocated to one State even though firms can operate in more than one State.

³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont.

Table 42.—Reported volume and value of marketings by firms selling on commission¹ and by reporting dealers and order buyers,²
1991-98 reporting years

Item	1991	1992	1993	1994	1995	1996	1997	1998
Livestock marketed through firms selling on commission					<u>Thousand head</u>			
Cattle and calves	42,524	42,087	40,319	45,060	40,407	42,234	39,162	38,389
Hogs and pigs	19,330	18,330	16,010	15,506	13,386	10,657	8,862	11,043
Sheep and lambs	5,548	5,253	5,175	5,153	4,625	5,735	3,973	4,330
					<u>Thousand dollars</u>			
Value of livestock	23,526,386	21,730,738	21,517,425	20,208,927	17,995,926	14,946,597	17,914,993	16,507,677
Livestock purchases by dealers and order buyers					<u>Thousand head</u>			
Cattle and calves	34,278	35,247	37,709	31,679	30,344	33,349	37,619	30,583
Hogs and pigs	35,189	34,187	33,554	31,865	28,233	25,614	20,915	19,730
Sheep and lambs	4,548	4,129	3,915	4,269	4,003	4,198	3,992	2,697
Value of Livestock:					<u>Thousand dollars</u>			
Bought on commission	5,097,350	4,630,982	4,964,064	4,333,594	3,800,874	3,602,232	4,675,456	4,970,305
Bought for own account	16,074,404	14,991,718	15,625,548	13,726,170	12,460,890	11,155,572	13,083,692	10,756,711
Total	21,317,331	19,622,700	20,589,615	18,059,768	16,261,766	14,757,905	17,759,238	15,727,016

¹ Includes all auctions, terminals, video auctions, and country commission firms. A country commission firm is a marketing agency selling on commission that does not operate an auction or terminal.

² Dealers purchase livestock for resale on their own accounts. Order buyers purchase on a commission basis for others.

PART III. ENTITIES REGISTERED WITH THE GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION

Table 43.—Bonded packers,¹ posted stockyards,² and entities registered with GIPSA, September 30, 1999

State and region	Bonded packers	Posted stockyards	Entities registered with GIPSA				
			Bonded dealers and market agencies ³			Packer buyers ⁵	Total registrants
			SOC only	SOC and BOC or dealer	Dealer and/or BOC ⁴		
<u>Number</u>							
Connecticut	0	2	0	2	5	6	13
Maine	3	2	0	2	14	6	22
Massachusetts	2	4	2	2	13	4	21
New Hampshire	0	0	0	0	13	0	13
New Jersey	16	5	3	4	8	19	34
New York	15	25	11	30	161	24	226
Pennsylvania	40	30	29	15	165	104	313
Rhode Island	2	0	0	0	0	0	0
Vermont	2	6	4	4	53	8	69
North Atlantic	80	74	49	59	432	171	711
Illinois	18	31	25	20	183	156	384
Indiana	8	27	22	15	92	99	228
Michigan	9	29	9	21	36	37	103
Ohio	25	29	19	26	118	59	222
Wisconsin	13	29	14	31	283	63	391
East North Central	73	145	89	113	712	414	1,328
Iowa	12	63	36	44	338	450	868
Kansas	7	56	42	18	198	60	318
Minnesota	10	35	19	27	161	117	324
Missouri	9	71	62	32	179	75	348
Nebraska	5	53	19	48	250	174	491
North Dakota	3	17	13	8	78	10	109
South Dakota	4	42	19	37	176	69	301
West North Central	50	337	210	214	1,380	955	2,759
Delaware	0	1	1	0	2	0	3
Florida	8	16	15	7	52	20	94
Georgia	11	44	32	22	99	36	189
Maryland	5	8	5	4	26	11	46
North Carolina	18	30	28	11	49	40	128
South Carolina	5	23	34	7	34	20	95
Virginia	5	30	22	19	90	23	154
West Virginia	3	13	11	7	40	2	60
South Atlantic	55	165	148	77	392	152	769

Continued—

Table 43.—Bonded packers,¹ posted stockyards,² and entities registered with GIPSA, September 30, 1999—continued

State and region	Bonded packers	Posted stockyards	Entities registered with GIPSA				
			Bonded dealers and market agencies ³			Packer buyers ⁵	Total registrants
			SOC only	SOC and BOC or dealer	Dealer and/or BOC ⁴		
<u>Number</u>							
Alabama	4	31	21	21	92	11	145
Arkansas	4	36	24	27	61	24	136
Kentucky	4	34	23	16	99	24	162
Louisiana	6	19	9	14	29	20	72
Mississippi	3	29	19	17	64	20	120
Tennessee	8	42	30	29	129	30	218
South Central	29	191	126	124	474	129	853
Oklahoma	3	60	59	26	156	22	263
Texas	28	130	109	56	307	41	513
Southern Plains	31	190	168	82	463	63	776
Arizona	2	6	8	3	20	5	36
Colorado	4	22	11	21	115	29	176
Idaho	4	16	12	12	140	24	188
Montana	4	15	17	11	249	7	284
Nevada	0	2	4	1	15	0	20
New Mexico	4	15	9	9	48	5	71
Utah	2	12	10	8	87	5	110
Wyoming	1	9	9	3	65	3	80
Mountain	21	97	80	68	739	78	965
California	30	39	23	33	133	60	249
Oregon	2	15	10	9	78	5	102
Washington	10	14	9	8	73	11	101
Pacific	42	68	42	50	284	76	452
Alaska	0	0	0	0	1	0	1
Hawaii	5	0	1	0	0	6	7
United States	386	1,267	913	787	4,877	2,044	8,621

¹ Bonds cover livestock purchases.² Includes terminal and auction markets. Posted stockyards are subject to GIPSA regulation.³ SOC = market agencies selling on commission; BOC = market agencies buying on commission.⁴ Includes firms that provide clearing services. These firms provide bond coverage for some dealers and market agencies buying on commission.⁵ Individual buyers employed by bonded packers and registered with GIPSA.

(GIPSA-SR-00-1)

Table 44.—Bonded packers,¹ posted stockyards, entities registered with GIPSA, and type of bond coverage, 1989-99

Item	September 30—										
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<u>Number</u>											
Entities registered with GIPSA. ²											
Bonded dealers and market agencies ³											
SOC only—	935	911	909	898	921	897	902	899	890	884	913
SOC and BOC or dealer	935	910	908	896	880	868	881	853	823	791	787
Dealer and/or BOC ⁴	5,456	5,360	5,409	5,389	5,383	5,397	5,293	5,236	5,190	5,015	4,877
Packer buyers ⁵	2,599	2,424	2,419	2,318	2,071	2,213	2,042	2,167	2,113	2,054	2,044
Total registrants	9,905	9,605	9,645	9,501	9,255	9,375	9,118	9,155	9,016	8,744	8,621
Bonded packers	619	574	585	533	517	486	467	430	427	399	386
Posted stockyards ⁶	1,763	1,618	1,614	1,581	1,450	1,404	1,386	1,348	1,333	1,303	1,267
<u>Million dollars</u>											
Clause one bonds ⁷	115.6	110.2	120.8	111.2	120.6	109.1	107.1	103.3	101.1	102.8	105.5
Clause two bonds ⁸	160.7	151.5	157.1	151.2	150.4	149.8	139.2	133.3	130.4	132.5	131.4
Clause two/three bonds ⁹	4.1	6.3	6.8	6.1	8.4	9.7	9.9	10.5	12.4	13.4	13.1
Clause four bonds ¹⁰	271.1	282.4	312.4	311.7	300.4	302.5	300.5	377.4	387.2	304.5	301.3

¹ Bonds cover livestock purchases. A firm may have more than one bond covering different types of livestock transactions.

² Beginning in 1998, includes registrants operating in Canada.

³ SOC = market agencies selling on commission; BOC = market agencies buying on commission.

⁴ Includes firms that provide clearing services. These firms provide bond coverage for some dealers and market agencies buying on commission.

⁵ Individual buyers employed by bonded packers and registered with GIPSA.

⁶ Includes terminal and auction markets. Posted stockyards are stockyards that are subject to GIPSA regulation.

⁷ Cover selling-on-commission transactions.

⁸ Cover buying-on-commission and dealer transactions.

⁹ Cover buying-on-commission, dealer, and clearing-services transactions.

¹⁰ Cover packer livestock purchase transactions.

